Headquarters U.S. Air Force

Integrity - Service - Excellen ce

SAF/AQXA Capabilities-Based Acquisition



7 Apr 04

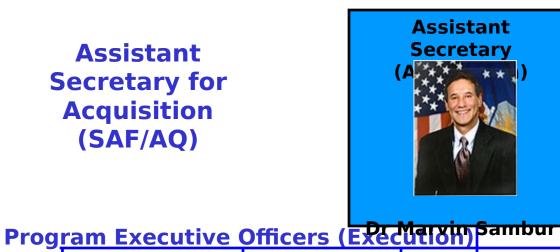
U.S. AIR FORCE



Purpose

- Familiarize MAJCOM action officers with the capabilities based acquisition process
- Discuss revised Acquisition Process and Guidance to support warfighter requirements

Assistant Secretary for Acquisition (SAF/AO)





AFPEO/AC **Aircraft Systems**

LtGen Looney BGen Bowlds

AFPEO/C2&CS **Command & Control**

LtGen Johnson **BGen Mahan**

AFPEO/WP Weapons

MGen Chedister

AFPEO/JSF **Joint Strike Fighter**

> **MGen** Hudson

AFPEO/FA-22 F/A-22 **Program**

MGen Lewis

AFPEO/CM **Services**

Mr Beyland

Capability Directors (Air Staff)

SAF/AQQ **Global Reach**

MGen Hodges

SAF/AQP **Global Power**

MGen Welsh

SAF/AOI **Information Dominance**

Mr Smart

Staff Group (AQA)

Scientific Adv. Board

AF Chair - DSMC

Functional Directors

SAF/AQC Contracting

Mr Williams

SAF/AQL **Special Programs**

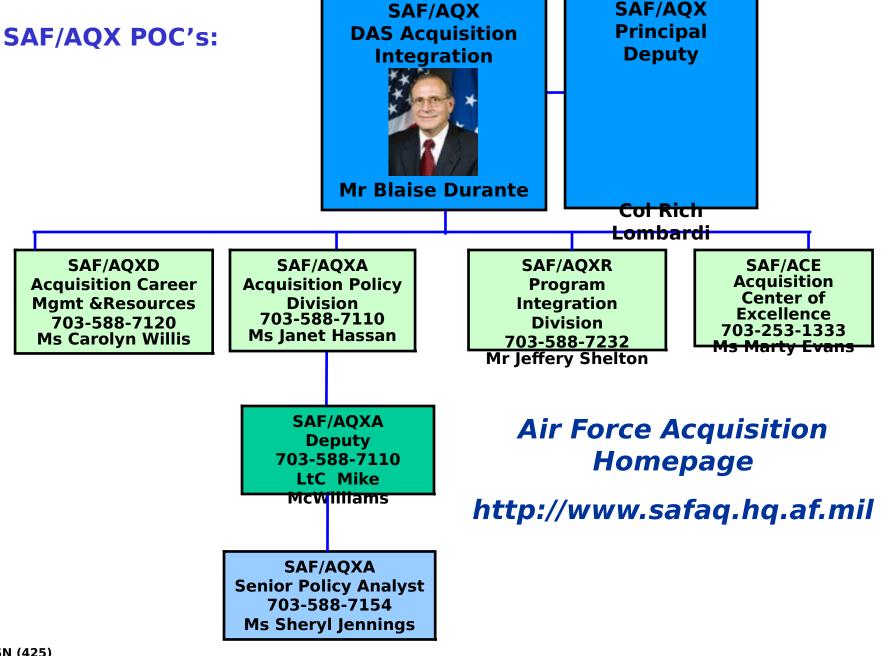
Col Bujold

SAF/AQR Science, Tech & Eng

Mr Engle

SAF/AQX **Acquisition Integration**

Mr Durante





Agile Acquisition Where we're headed!

Vision:

An Agile Process for Capabilities-Based Acquisition

- Rapidly deliver affordable, sustainable capability that meets warfighter's expectations
- Speed + Credibility = Agile Acquisition
- Enablers are focused S&T, collaborative requirements, and seamless verification



Streamlined Policy

- DoD Directive 5000.1
 - Principles retained; innovation/flexibility emphasized
- DoD Instruction 5000.2
 - Detailed discussion of acquisition model
 - Focused on required outcomes and statutory requirements
 - MDA can tailor
- DoD Acquisition Guidebook
 - Canceled DoD Regulation 5000.2; characterized as nonmandatory
 - Content will be:
 - Expectations (TEMP, C4ISP, etc.)
 - Best Practices
 - Lessons Learned
 - Guidance on practice and procedure
 - Information retained; available to workforce on Internet
 - Revision underway



Transformation & Collaboration

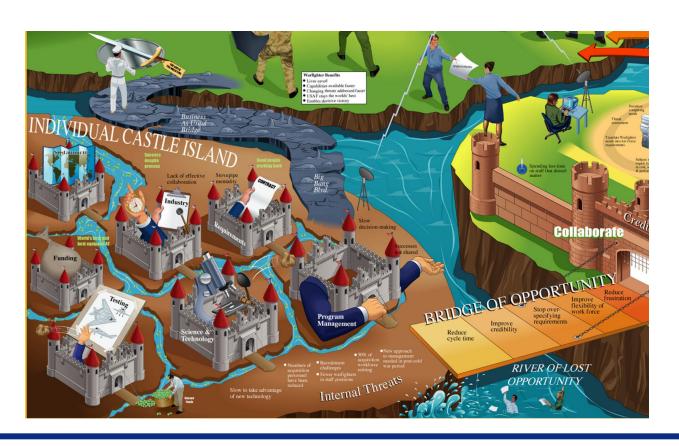
- AFPD 63-1: "Speed and Credibility"
 - Goals:
 - Significant Cycle Time Reduction
 - Credibility "No surprises—meet the commitment"
- AFI 63-101: "Collaboration is the method"
 - Developing Courses of Action (COAs)
 - Expectation Management Agreement (EMA)
 - Technology Transition
- Collaborative development of integrated AFIs

Everyone's challenge - "One Size Will



Agile Acquisition Collaboration

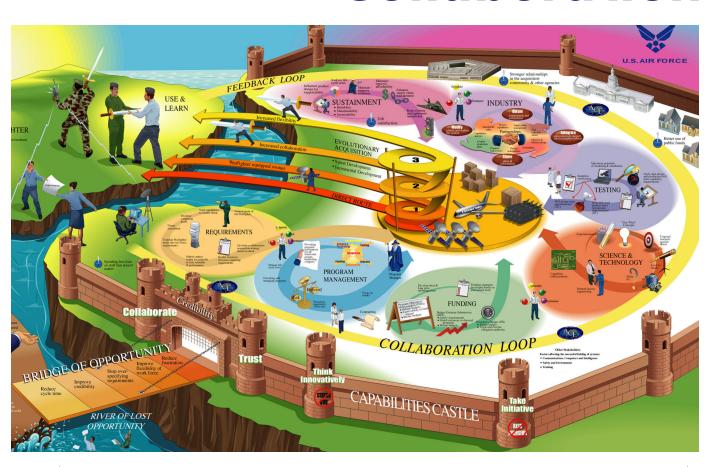
We're moving from this...





Agile Acquisition Collaboration

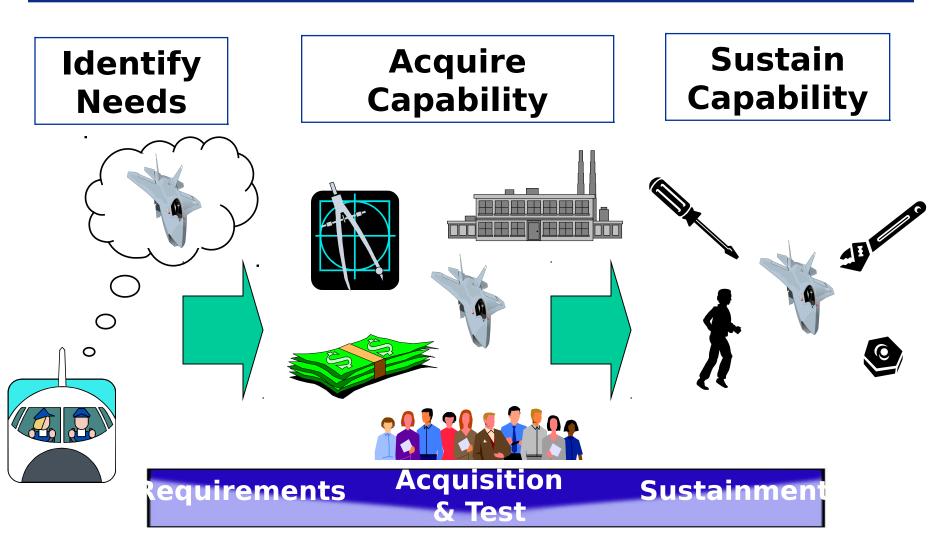
To this...



SPEED and CREDIBILITY COUNTS!



Acquisition Process





Acquisition Program <u>Categories</u>

Categorizes programs by size, cost, and reporting

ACAT I The biggest programs, typically > \$365M** RD







\$2.19B** Procurement

ACAT II Major programs, typically > \$140M** RDT&E \$660M** Procurem

ACAT III Everything else



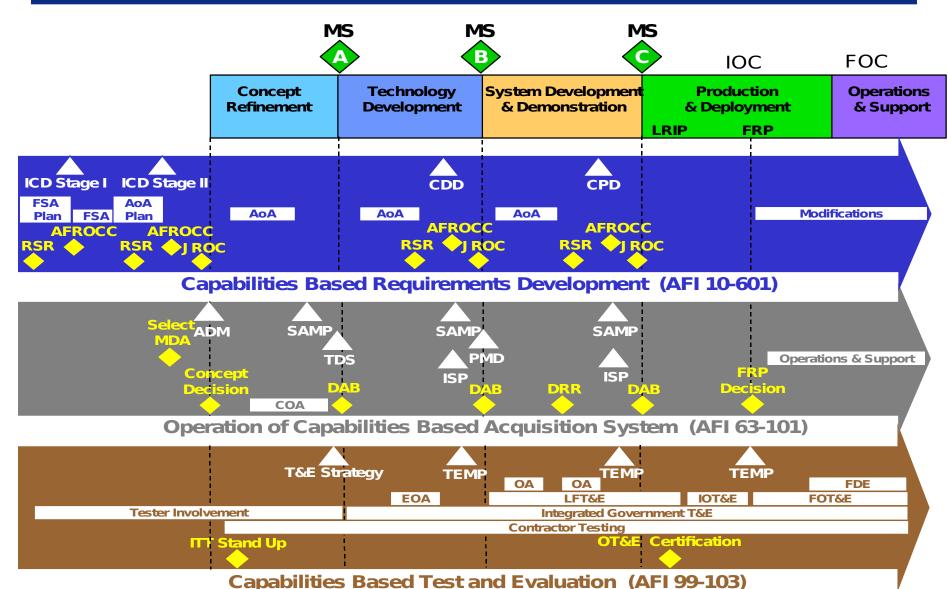


- * ACAT ID programs report through USD(AT&L) as MDA
- * ACAT IAM (Automated Information Systems) report through ASD(C

** In FY2000 \$'s

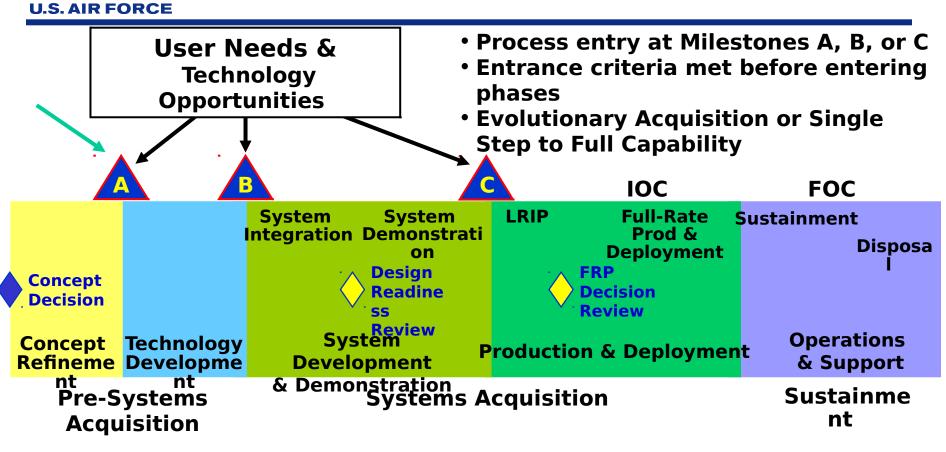


Integrated Schedule





Acquisition Management



Initial Capabilities
Document (ICD)

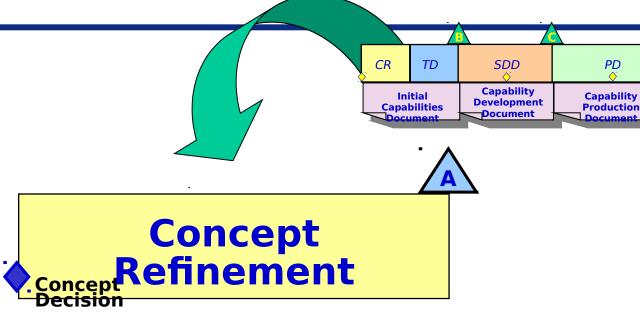
Capability Development pability Production Validated & approved by Document (CDD) | Document (CPD) | Validation Authority

Relationship to Joint Capabilities Integration &

Development System
Integrity - Service - Excellence



Concept Refinement

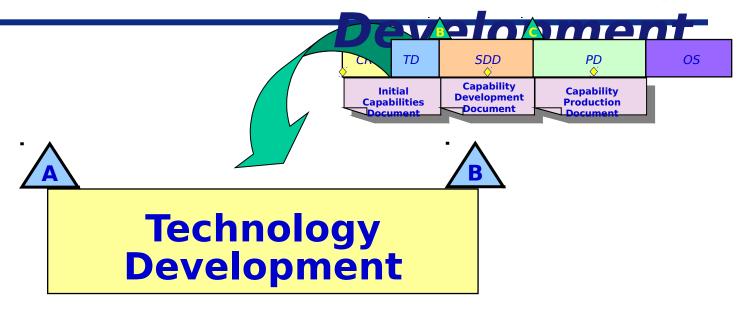


- <u>Purpose</u>. Refine the initial concept and develop a Technology Development Strategy (TDS)
 - Entrance Criteria. Approved Initial Capabilities Document (ICD); approved plan for conducting an analysis of alternatives (AoA); phase funding
 - <u>Exit</u>. Milestone Decision Authority (MDA) approved preferred solution and TDS

05



Technology



- <u>Purpose</u>. Reduce technology risk; determine the appropriate technologies to be integrated into a full system
 - Entrance criteria. MDA approved Technology Development Strategy TDS; phase funding
 - <u>Exit</u>. Affordable increment of militarily useful capability with technology demonstrated in a relevant environment, and a system that can be developed for production within a short timeframe.



System Development & Demonstration

System System Demonstration On On Pesign Readines Serview

System Integration

B

Enter: PM has technical solution but has not integrated subsystems into complete system; approved CDD

Activities:

- System Integration of demonstrated subsystems and components
- Reduction of integration risk
- DT/EOA/preliminary LFT&E

System Demonstration

Enter: Prototypes demonstrated in intended environment

Activities:

- Complete system demonstration
- DT/OA/OT and preliminary LFT&E

Exit: System demonstration in intended environment using

Exit: Demonstration of prototypes in relevant

intended environment using engineering development 1



Production &

LRIP

FRP Decisio

Full-Rate Production

-Rate Production &

ow-Rate Initial Production (LRIP) eview u **Enter: Enter:** System matured for

production, approved CPD **Activities:**

Low-rate initial production

- IOT&E
- Full-up systems level LFT&E of production-representative articles
- Establish full manufacturing capability

Exit: System operationally effective, suitable and ready for full rate production

Deployment

- Demonstrated control of manufacturing process
- Satisfactory IOT&E: Beyond **LRIP Report to Congress for ACAT I**
- Full-up systems level LFT&E (covered systems) & report to Congress

Activities:

- Full rate production
- Deploy system
- Start support

Integrity - Serv Exit: Full operational



Operations & Support



Sustainme

Sustainment **Sta**rts immediately upon fielding or deployment.

Activities:

coftwara

- Maintain readiness and operational capability of deployed system(s)
- Execute operational support plans
- Conduct modifications and

Disposal

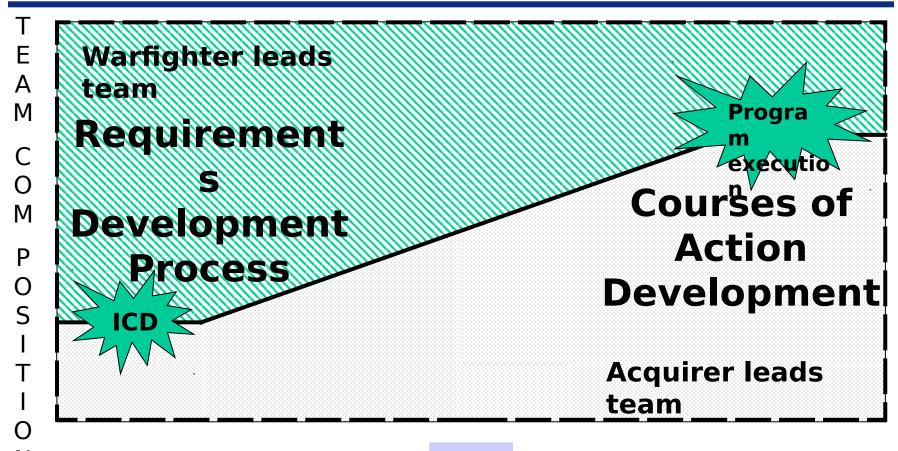
Demilitarization & Disposal Activities:

- Demilitarize and dispose of systems IAW legal and regulatory requirements, particularly environmental considerations
- Use Defense Reutilization and Marketing Office

upgrades to hardware and ervice support, as appropriate



The Path to Credibility: Collaboration



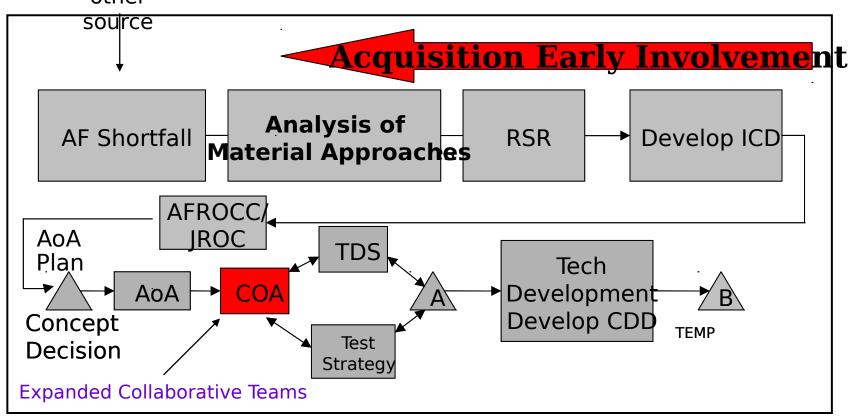
ntinuous Relationship Am<mark>bng</mark> the Processes and Tear



COAs: Acquirer in Conjunction with the

Operator or other

Operator

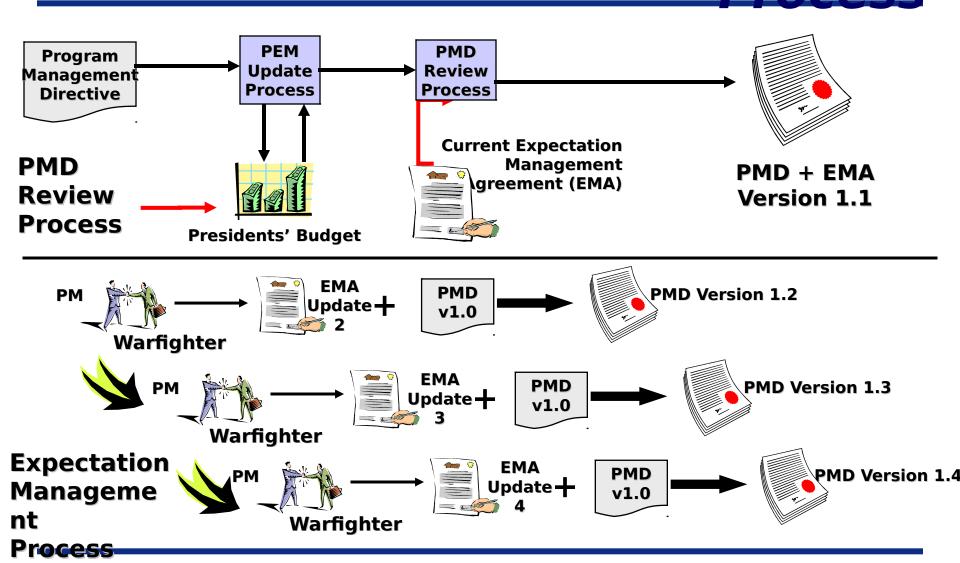


Key Change: Acquirer leads COA development with the operator



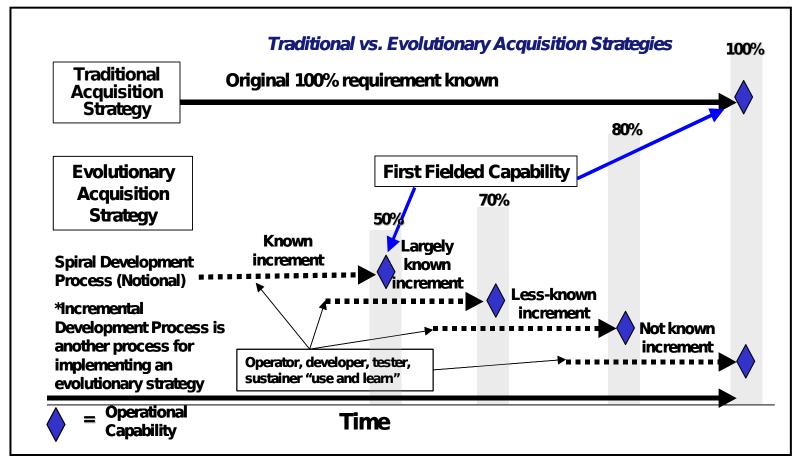
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Mew Expectation Management Process





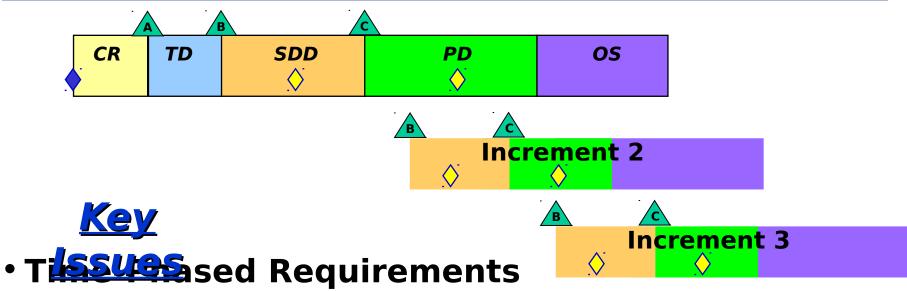
Evolutionary Acquisition & Technology Transition



Every increment will have multiple Milestones (B, C), more test, rqmnt, operator involvement



Evolutionary Approach



- Modular Open Systems facilitates Technology Insertion
- Evolutionary Sustainment Strategies
- T&E Consistent with Evolutionary Approach
- Multiple Milestones (B's & C's); related
 updates (CDD/CDP, APB, etc.)
 Integrity Service Excellence



Bottom Line: We Are All In This





Summary

- Today's threat environment demands agility
- Agile Acquisition
 - Reduce acquisition cycle time
 - Increase Credibility
- Programs, People, Processes Key to successful implementation
 - Collaboration between AQ, User, Test, and S&T
 - Strong partnership between SAF/AQ and AFMC



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for info write: Jeffrey.gadway or Lionel.mellott@pentagon.af.mil

